AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A biochemical analysis unit, comprising:

i) a base plate, which has a plurality of holes and is constituted of a material having radiation attenuating properties and/or light attenuating properties, and

ii) a porous adsorptive material, which is filled in each of the plurality of the holes of the base plate and forms each of a plurality of adsorptive regions,

wherein the porous adsorptive material, which forms each of the plurality of the adsorptive regions, has a pore diameter falling within the range of 1μm to 10μm, and

wherein the biochemical analysis unit utilizes a chemical luminescence technique.

2. (original): A biochemical analysis unit as defined in Claim 1 wherein the porous adsorptive material takes on the form of a film.

3. (original): A biochemical analysis unit as defined in Claim 1 wherein the porous adsorptive material, which forms each of the plurality of the adsorptive regions, has a pore diameter falling within the range of 1μm to 5μm.

4. (original): A biochemical analysis unit as defined in Claim 2 wherein the porous adsorptive material, which forms each of the plurality of the adsorptive regions, has a pore diameter falling within the range of 1μm to 5μm.

5. (original): A biochemical analysis unit as defined in Claim 3 wherein the porous adsorptive material, which forms each of the plurality of the adsorptive regions, has a pore diameter falling within the range of 2μm to 4μm.

6. (original): A biochemical analysis unit as defined in Claim 4 wherein the porous adsorptive material, which forms each of the plurality of the adsorptive regions, has a pore diameter falling within the range of 2μm to 4μm.

7. (previously presented): A biochemical analysis unit as defined in Claim 1 wherein the radiation attenuating properties or the light attenuating properties of the material constituting the base plate is such that a radiation or a light having passed through a wall of one hole of the plurality of holes of the base plate reduces to an intensity of at most 1/5 of the original intensity when the radiation or the light passes to an adjacent hole.

8. (previously presented): A biochemical analysis unit as defined in Claim 7 wherein the radiation attenuating properties or the light attenuating properties of the material constituting the base plate is such that a radiation or a light having passed through a wall of one hole of the plurality of holes of the base plate reduces to an intensity of at most 1/10 of the original intensity when the radiation or the light passes to an adjacent hole.

9. (previously presented): A biochemical analysis unit as defined in Claim 1 wherein the base plate has a mean density of at least 0.6 g/cm^3.

10. (previously presented): A biochemical analysis unit as defined in Claim 9 wherein the base plate has a mean density within the range of 1 g/cm^3 to 20 g/cm^3.

11. (previously presented): A biochemical analysis unit as defined in Claim 1 wherein the base plate has a thickness within the range of 50 μm to 1,000 μm.

12. (previously presented): A biochemical analysis unit as defined in Claim 1 wherein each of the plurality of the holes has an area of opening within the range of 0.001 mm^2 to 1 mm^2.

13. (previously presented): A biochemical analysis unit as defined in Claim 12 wherein each of the plurality of the holes has an area of opening within the range of 0.001 mm^2 to 0.3 mm^2.

14. (previously presented): A biochemical analysis unit as defined in Claim 1 where a pitch of the plurality of holes falls within the range of 0.05 mm to 3 mm.

15. (previously presented): A biochemical analysis unit as defined in Claim 1 where a spacing between two adjacent holes of the plurality of holes falls within the range of 0.01 mm to 1.5 mm.

16. (previously presented): A biochemical analysis unit as defined in Claim 1 where an array density of the plurality of holes falls within the range of at least 10 holes/cm^2 to 100,000 holes/cm^2.

17. (currently amended): A biochemical analysis unit as defined in Claim 1 where the porous adsorptive material includes a porous ~~quality~~ material, a fiber material, and a combination of the porous ~~quality~~ material and the fiber material.

18. (previously presented): A biochemical analysis unit as defined in Claim 1 having a signal to noise ratio greater than or equal to 216.

19. (previously presented): A biochemical analysis unit as defined in Claim 1 having a signal greater than or equal to 1,888,000.

20. (previously presented): A biochemical analysis unit as defined in Claim 1 having a background noise less than or equal to 9,430.